

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-155099

(43)Date of publication of application : 03.06.1994

(51)Int.Cl.

B30B 15/04

(21)Application number : 04-309867

(71)Applicant : KOMATSU LTD

(22)Date of filing : 19.11.1992

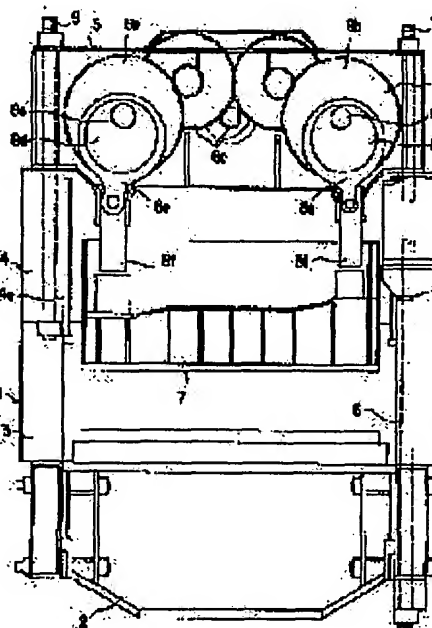
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## (54) PRESS

### (57)Abstract:

PURPOSE: To improve the transportability of a large press so that a crown can be transported without being divided.

CONSTITUTION: The press body 1 consists of a bed 2, an upright 3, an upper frame 4 and a crown 5 in which a slide driving mechanism 8 is incorporated, the bed 2 and the upper frame 4 are connected by a tie rod 6 inserted in the upright 3, further, the upper frame 4 and the crown 5 are connected by another tie rod 9 and a slide guide 4a guiding the slide moved vertically by the slide driving mechanism 8 is mounted on the upper frame 4. Since the crown 5 can be made smaller and more lightweight by mounting the rigid upper frame 4, the transportation can be executed easily.



## LEGAL STATUS

[Date of request for examination]

03.08.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3342062

[Date of registration] 23.08.2002

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

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**CLAIMS**

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[Claim(s)]

[Claim 1] The press which comes to prepare slide-guide 4a which guides the slide 7 which moves up and down with the above-mentioned slide drive 8 while constituting the main part 1 of a press from crown 5 which carried out the interior of a bed 2, a plate 3, the up frame 4, and the slide drive 8, and joining together by the tie rod 6 which inserted in between a bed 2 and the up frames 4 in plate 3 and combining between the up frame 4 and crown 5 by another tie rod 9 in the above-mentioned up frame 4.

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**DESCRIPTION OF DRAWINGS**

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[Brief Description of the Drawings]

[Drawing 1] It is explanatory drawing of the conventional press.

[Drawing 2] It is the vertical section front view of the press which becomes one example of this invention.

[Drawing 3] some presses which become one example of this invention -- it is a notch side elevation

[Description of Notations]

1 [ -- Aplite, 4 / -- An up frame, 4a / -- A slide guide, 5 / -- Crown, 6 / -- A tie rod, 8 / -- A slide drive, 9 / -- Tie rod. ] -- The main part of a press, 2 -- A bed, 3

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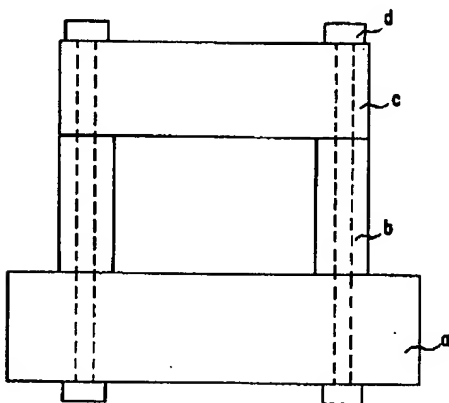
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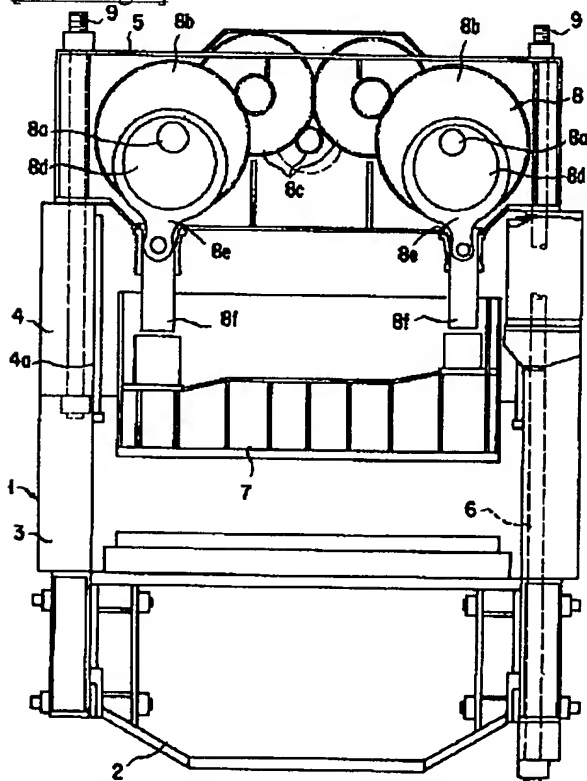
DRAWINGS

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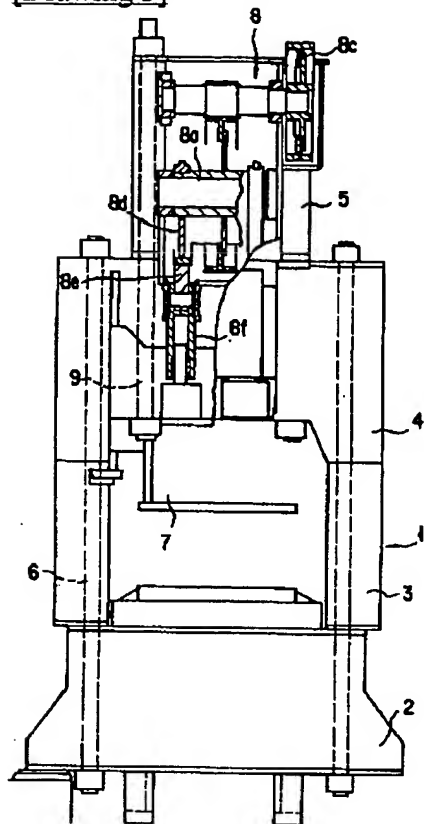
[Drawing 1]



[Drawing 2]



[Drawing 3]



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